

Substitute for form 14498PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet	1	of	23
Attorney Docket No: 060542			
U.S. PATENT DOCUMENTS			
Examiner Initials*	Document Number Cite No. ¹ Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
001	US-4975952	12-04-1990	MABEY, Peter J. et al.
002	US-5008900	04-16-1991	CRITCHLOW, David N. et al.
003	US-5115248	05-19-1992	ROEDERER, Antoine et al.
004	US-5363408	11-08-1994	PAIK, Woo H. et al.
005	US-5371761	12-06-1994	DAFFARA, Flavio et al.
006	US-5384810	01-24-1995	AMRANY, Daniel et al.
007	US-5455839	10-03-1995	EYUBOGLU, M. Vedat et al.
008	US-5513379	04-30-1996	BENVENISTE, Mathilde et al.
009	US-5539748	07-23-1996	RAITH, Alex K. et al.
010	US-5604744	02-18-1997	ANDERSSON, H.ang.kan C et al.
011	US-5726978	03-10-1998	FRODIGH, Carl Magnus et al.
012	US-5732113	03-24-1998	SCHMIDT, Timothy M. et al.
013	US-5768276	06-16-1998	DIACHINA, John W. et al.
014	US-5815488	09-29-1998	WILLIAMS, Thomas H. et al.
015	US-5920571	07-06-1999	HOUCK, David J. et al.
016	US-5926470	07-20-1999	TIEDEMANN, Jr., Edward G. et al.
017	US-5953325	09-14-1999	WILLARS, Per et al.
018	US-5995992	11-30-1999	ECKARD, Clinton B. et al.

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP § 601.04, § 601.04. ^aEnter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ^bFor Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ^cKind of document by the appropriate symbols, as indicated on the document under WIPO Standard ST.15 if possible. ^dApplicant is to place a check mark here if English language translation is attached. This collection of information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 CFR 1.97 and 3.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 CFR 1.22 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sheet	2	of	23
Attorney Docket No.: 060542			

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
D19	US-6002942	12-14-1999	PARK, Hyun-chul et al.		
D20	US-6016123	01-18-2000	BARTON, Paul et al.		
D21	US-6038150	03-14-2000	YEE, Hsian-pei et al.		
D22	US-6075350	06-13-2000	PENG, Fang Zheng et al.		
D23	US-6076114	06-13-2000	WESLEY, Alamu A. et al.		
D24	US-6108323	08-22-2000	GRAY, Steven D et al.		
D25	US-6128776	10-03-2000	KANG, Sung-min et al.		
D26	US-6232918	05-15-2001	WAX, Matt et al.		
D27	US-6256478	07-03-2001	ALLEN, James D. et al.		
D28	US-6337659	01-08-2002	KIM, Sang-Gi et al.		
D29	US-6353637	03-05-2002	MANSOUR, David et al.		
D30	US-6374115	04-16-2002	BARNES, Keith W. et al.		
D31	US-6377539	04-23-2002	KANG, Hee-woon et al.		
D32	US-6438369	08-20-2002	HUANG, Chenhong et al.		
D33	US-6496790	12-17-2002	KATHAVATE, Srinivas K. et al.		
D34	US-6539008	03-25-2003	AHN, Jae-min et al.		
D35	US-6542485	04-01-2003	MUTABA, Syed Aon et al.		
D36	US-6563806	05-13-2003	YANO, Masashi et al.		
D37	US-6675012	01-06-2004	GRAY, Steven D. et al.		
D38	US-6701165	03-02-2004	HO, Ming-ju et al.		
D39	US-6711400	03-23-2004	AURA, Tuomas et al.		

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Sheet	3	of	23		
				Attorney Docket No.: 060542	
				U.S. PATENT DOCUMENTS	
Examiner Initials*	Cite No. ³	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant or Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
D	040	US-6744743	06-01-2004	WALTON; Jay R. et al.	
A	041	US-6748220	06-08-2004	CHOW; Jocelyn Yuet Kiu et al.	
R	042	US-6751456	06-15-2004	BILGIC; Izzet M. et al.	
I	043	US-6765969	07-20-2004	VOOK; Frederick W. et al.	
P	044	US-6776165	08-17-2004	JIN; Sungho et al.	
D	045	US-6776765	08-17-2004	SOUKUP; Thomas M. et al.	
E	046	US-6802035	10-05-2004	CATREUX; Severine et al.	
T	047	US-6831943	12-14-2004	DABAK; Anand G. et al.	
L	048	US-6870808	03-22-2005	LIU; Hui et al.	
H	049	US-6907269	06-14-2005	YAMAGUCHI; Ryo et al.	
V	050	US-6927728	08-09-2005	VOOK; Frederick W. et al.	
U	051	US-6934266	08-23-2005	DULLI; David R. et al.	
D	052	US-6934340	08-23-2005	DOLLARD; Michael S. et al.	
B	053	US-6940845	09-06-2005	BENVENISTE; Mathilde et al.	
F	054	US-6954448	10-11-2005	FARLEY; Kevin L. et al.	
L	055	US-6954481	10-11-2005	LAROIA; Rajiv et al.	
N	056	US-6954622	10-11-2005	NELSON; David S. et al.	
R	057	US-6961364	11-01-2005	LAROIA; Rajiv et al.	
C	058	US-6970682	11-29-2005	CRILLY, Jr.; William J. et al.	
Y	059	US-6985466	01-10-2006	YUN; Louis C. et al.	

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Sheet	4	of	23	
				Attorney Docket No: 060542
U.S. PATENT DOCUMENTS				
Examiner Initials*	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
060	US-6993342	01-31-2006	KUCHIBHOTLA; Ravi et al.	
061	US-7002900	02-21-2006	WALTON; J. Rodney et al.	
062	US-7006529	02-28-2006	ALASTALO; Ari et al.	
063	US-7013143	03-14-2006	LOVE; Robert T. et al.	
064	US-7020110	03-28-2006	WALTON; Jay Rod et al.	
065	US-7039356	05-02-2006	NGUYEN; Hung et al.	
066	US-7039370	05-02-2006	LAROIA; Rajiv et al.	
067	US-7042857	05-09-2006	KRISHNAN; Ranganathan et al.	
068	US-7047006	05-16-2006	CLASSON; Brian K. et al.	
069	US-7054301	05-30-2006	SOUZA; Evino S. et al.	
070	US-7079867	07-18-2006	CHUN; Byung-jin et al.	
071	US-7099630	08-29-2006	BRUNNER; Christopher et al.	
072	US-7103384	09-05-2006	CHUN; Byung-jin et al.	
073	US-7113808	09-26-2006	HWANG; Chan-soo et al.	
074	US-7120395	10-10-2006	TONG; Wen et al.	
075	US-7126928	10-24-2006	TIEDEMANN, Jr.; Edward G. et al.	
076	US-7131086	10-31-2006	YAMASAKI; Junya et al.	
077	US-7139328	11-21-2006	THOMAS; Timothy A. et al.	
078	US-7142864	11-28-2006	LAROIA; Rajiv et al.	

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Sheet	5	of	23	Attorney Docket No: 060542
U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	079	US-7145940	12-05-2006	GORE, Dhananjay Ashok et al.
	080	US-7145959	12-05-2006	HAREL, Haim et al.
	081	US-7149199	12-12-2006	SUNG, Dan-keun et al.
	082	US-7151761	12-19-2006	PALENIUS, Torgny et al.
	083	US-7154936	12-26-2006	BJERKE, Bjorn A. et al.
	084	US-7155236	12-26-2006	CHEH, Tao et al.
	085	US-7164649	01-16-2007	WALTON, Jay R. et al.
	086	US-7167916	01-23-2007	WILLEN, James W. et al.
	087	US-7177297	02-13-2007	AGRAWAL, Avneesh et al.
	088	US-7184426	02-27-2007	PADOVANI, Roberto et al.
	089	US-7197282	03-27-2007	DENT, Paul W. et al.
	090	US-7209712	04-24-2007	HOLTZMAN, Jack M. et al.
	091	US-7230942	06-12-2007	LAROIA, Rajiv et al.
	092	US-7236747	06-26-2007	MEACHAM, Dan et al.
	093	US-7242722	07-10-2007	KRAUSS, Thomas P. et al.
	094	US-7243150	07-10-2007	SHER, Sharon et al.
	095	US-7248841	07-24-2007	AGEE, Brian G. et al.
	096	US-7254158	08-07-2007	AGRAWAL, Avneesh et al.
	097	US-7257167	08-14-2007	LAU, Kin Nang et al.
	098	US-7257406	08-14-2007	Ji, Tingfang et al.
	099	US-7257423	08-14-2007	IOCHI, Hitoshi et al.

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Comments if known

09/03/1469

8/16/2001

LAROIA, Rajiv, et al.

2462

JUNTIMA, NITTAYA

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Sheet 6 of 23

Attorney Docket No: 060542

Complete if Known

Application Number	09/931469
Filing Date	8/16/2001
First Named Inventor	LAROIA, Rajiv et al.
Art Unit	2462
Examiner Name	JUNTIIMA, NITTAYA

U.S. PATENT DOCUMENTS

Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Cite No. <small>or Patent Document Code 261, if known</small>	MM-DD-YYYY		
100 US-7289570	10-30-2007	SCHMIDL, Timothy et al.	
101 US-7289585	10-30-2007	SANDHU; Sumeet et al.	
102 US-7290195	10-30-2007	GUO, Zihua et al.	
103 US-7292863	11-06-2007	CHEH, Lan et al.	
104 US-7330701	02-12-2008	MUKKAVILLI, Krishna Kiran et al.	
105 US-7336727	02-26-2008	MUKKAVILLI, Krishna Kiran et al.	
106 US-7349371	03-25-2008	SCHENK, Brett et al.	
107 US-7349667	03-25-2008	MAGEE, David Patrick et al.	
108 US-7356000	04-08-2008	OPRESCU-SURCOBE; Valentin et al.	
109 US-7356005	04-08-2008	DERRYBERRY, R. Thomas et al.	
110 US-7366223	04-29-2008	CHEH, John Sze-chi et al.	
111 US-7366253	04-29-2008	KIM, Sung-jin et al.	
112 US-7372911	05-13-2008	LINDSKOG, Erik D. et al.	
113 US-7372912	05-13-2008	SEO, Dong-youn et al.	
114 US-7382764	06-03-2008	UEHARA, Teruaki et al.	
115 US-7392014	06-24-2008	BAKER, Matthew P. J. et al.	
116 US-7394865	07-01-2008	BORRAN, Mohammad Jaber et al.	
117 US-7403745	07-22-2008	DOMINIQUE, Francis et al.	

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118	US-7406119	07-29-2008	YAMANO; Larry C et al.	
119	US-7411898	08-12-2008	ERLICH; Yossi et al.	
120	US-7412212	08-26-2008	HOTTINEN; Ari et al.	
121	US-7418246	09-09-2008	KIM, Jae-woo et al.	
122	US-7423991	09-09-2008	CHO, Sung-hyun et al.	
123	US-7426426	09-16-2008	VAN BAREN; Philip D et al.	
124	US-7428426	09-23-2008	KIRAN; Kiran et al.	
125	US-7437164	10-14-2008	AGRAWAL; Avneesh et al.	
126	US-7447270	11-04-2008	HOTTINEN; Ari et al.	
127	US-7469011	12-23-2008	LIN; Chih-lung et al.	
128	US-7483408	01-27-2009	BEVAN; David Damian Nicholas et al.	
129	US-7483719	01-27-2009	KIM; Eung-sun et al.	
130	US-7486408	02-03-2009	VAN DER SCHAAER; Maurots et al.	
131	US-7486735	02-03-2009	DUBUC; Christian et al.	
132	US-7492788	02-17-2009	ZHANG; Hang et al.	
133	US-7499393	03-03-2009	OZLUTURK; Fatih et al.	
134	US-7508842	03-24-2009	BAUM; Kevin L. et al.	
135	US-7512096	03-31-2009	KUZMINSKY; Alexander et al.	
136	US-7548506	06-16-2009	MA; Jinglei et al.	

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137	US-7551546	06-23-2009	MA, Jianglei et al.	
138	US-7558293	07-07-2009	CHOI, Seung-hoon et al.	
139	US-7573900	08-11-2009	KIM, Sung-jin et al.	
140	US-7616955	11-10-2009	KIM, Joonsuk et al.	
141	US-7627051	12-01-2009	SHEN, Jun et al.	
142	US-20010021650	09-13-2001	BILGIC, IZZET M.; et al.	
143	US-20010047424	11-29-2001	ALASTALO, ARI; et al.	
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145	US-20010055297	12-27-2001	BENVENISTE, MATHILDE; et al.	
146	US-20020000948	01-03-2002	CHUN, BYUNG-JIN; et al.	
147	US-20020039912	04-04-2002	YAMAGUCHI, RYO; et al.	
148	US-20020058525	05-16-2002	KASAPI, ATHANASIOS A.; et al.	
149	US-20020077152	06-20-2002	JOHNSON, THOMAS J.; et al.	
150	US-20020090024	07-11-2002	TAN, KENG TIONG; et al.	
151	US-20020101839	08-01-2002	FARLEY, KEVIN L.; et al.	
152	US-20020122381	09-05-2002	WU, SHIQUAN; et al.	
153	US-20020122403	09-05-2002	HASHEM, BASSAM M.; et al.	
154	US-20020147953	10-10-2002	CATREUX, SEVERINE; et al.	
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Sheet	9	of	23	Attorney Docket No: 060542
U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. <small>Number-Kind Code if known</small>	Publication Date <small>MM-DD-YYYY</small>	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
156	US-20020181571	12-05-2002	YAMANO, LARRY C.; et al.	
157	US-20030020651	01-30-2003	CRILLY, WILLIAM J. Jr.; et al.	
158	US-20030036359	02-20-2003	DENT, PAUL W.; et al.	
159	US-20030040283	02-27-2003	KAWAI, HIROYUKI; et al.	
160	US-20030072254	04-17-2003	MA, JIANGLEI; et al.	
161	US-20030086371	05-08-2003	ITO, TAKUMI; et al.	
162	US-20030096579	05-22-2003	WALTON, JAY R.; et al.	
163	US-20030109266	06-12-2003	RAFAH, MOSHE; et al.	
164	US-20030125040	07-03-2003	WALTON, JAY R.; et al.	
165	US-20030128658	07-10-2003	SUBRAHMANYA, PARYATHANATHAN; et al.	
166	US-20030142729	07-31-2003	DULIN, DAVID R.; et al.	
167	US-20030161281	08-28-2003	MEDVEDEV, IRINA; et al.	
168	US-20030161282	08-28-2003	KADOUS, TAMER; et al.	
169	US-20030165189	09-04-2003	TIEDEMANN, EDWARD G. Jr.; et al.	
170	US-20030202560	10-30-2003	CHUN, BYUNG-JIN; et al.	
171	US-20030216156	11-20-2003	KETCHUM, JOHN W.; et al.	
172	US-20030235255	12-25-2003	SCHEIN, BRETT; et al.	
173	US-20030133426	07-17-2003	BEVAN, DAVID DAMIAN	
174	US-20040001460	01-01-2004	NICHOLAS; et al.	

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175	US-20040009783	01-15-2004	MIYOSHI, KENICHI; et al.	
176	US-20040010623	01-15-2004	SHER, SHARON; et al.	
177	US-20040015692	01-22-2004	GREEN, MARK RAYMOND, et al.	
178	US-20040017785	01-29-2004	ZELST, ALBERT VAN; et al.	
179	US-20040042558	03-04-2004	HWANG, CHAN-SOO; et al.	
180	US-20040048609	03-11-2004	KOSAKA, MINORU; et al.	
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186	US-20040067756	04-08-2004	WAGER, STEFAN; et al.	
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192	US-20040131007	07-08-2004	SMEE, JOHN; et al.	

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 See Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04, "Enter Office that issued the document, by the two-letter code (WIPO: Standard ST-3), a serial number of the document, and the year or reign of the Emperor or the name of the Minister of the Empire." If possible, a check mark here if English language translation is attached. This collection of information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14, 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14, 1.97 and 1.98. This collection of information is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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193	US-20040131008	07-08-2004	ZUNIGA, JUAN CARLOS; et al.		
194	US-20040131038	07-08-2004	KIM, SUNG-JIN; et al.		
195	US-20040131110	07-08-2004	ALARD, MICHEL; et al.		
196	US-20040136344	07-15-2004	KIM, YOUNG-KY; et al.		
197	US-20040156328	08-12-2004	WALTON, J. RODNEY; et al.		
198	US-20040160914	08-19-2004	SARKAR, SANDIP; et al.		
199	US-20040160933	08-19-2004	ODENVALDER, JOSEPH P.; et al.		
200	US-20040162083	08-19-2004	CHEN, TAO; et al.		
201	US-20040165564	08-26-2004	KIM, JAE-WOO; et al.		
202	US-20040166867	08-26-2004	HAWE, WILLIAM; et al.		
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207	US-20040218520	11-04-2004	AIZAWA, MASAMI; et al.		
208	US-20040219819	11-04-2004	DI MASCIO, ENRICO; et al.		
209	US-20040219919	11-04-2004	WHINNETT, NICHOLAS; et al.		
210	US-20040228267	11-18-2004	AGRAWAL, AVNEESH; et al.		

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211	US-20040229615	11-18-2004	AGRAWAL, AVNEESH; et al.	BRUTEL, CHRISTOPHE; et al.	
212	US-20040248604	12-02-2004	VAIDYANATHAN, CHANDRA; et al.		
213	US-20040252655	12-09-2004	LIM, KWANG-JAE; et al.		
214	US-20040264585	12-16-2004	BORRAN, MOHAMMAD JABER; et al.		
215	US-20040264585	12-30-2004	SAGFORS, MATS; et al.		
216	US-20050002412	01-06-2005	SEO, DONG-YOUN; et al.		
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218	US-20050025093	02-03-2005	TIEDEMANN, EDWARD G Jr.; et al.		
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222	US-20050047517	03-03-2005	KADOU, TAMER; et al.		
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224	US-20050063298	03-24-2005	TONG, WEN; et al.		
225	US-20050085195	04-21-2005	ATTAR, RASHID A.; et al.		
226	US-20050111397	05-26-2005	OPRESCU-SURCOBE, VALENTIN; et al.		
227	US-20050113100	05-26-2005	JANG, KYUNG-HUN; et al.		
228	US-20050122898	06-09-2005			

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229	US-20050128683	06-16-2005	WATANABE, YASUO; et al.	AUER, GUNTHER; et al.	
230	US-20050135324	06-23-2005	KIM, YUN-HEE; et al.	SANDHU, SUMEE; et al.	
231	US-20050147025	07-07-2005	SHIM, DONG-HEE; et al.	HEATH, ROBERT W. Jr.; et al.	
232	US-20050152484	07-14-2005	LAROIA, RAJIV; et al.	VANNITHAMBY, RATH; et al.	
233	US-20050157807	07-21-2005	RANGANATHAN, ET AL.	KRISHNAN, RANGANATHAN; et al.	
234	US-20050174981	08-11-2005	UEHARA, TERUAKI; et al.	LEE, KYUNG-CHUN; et al.	
235	US-20050181799	08-18-2005	FUJI, HIROMASA; et al.	LATINEN, PEKKA; et al.	
236	US-20050201296	09-15-2005	BLANCHARD, SCOTT D.; et al.	ERLICH, YOSSI; et al.	
237	US-20050215251	09-29-2005	AGRAWAL, AVNEESH; et al.	AGRAWAL, AVNEESH; et al.	
238	US-20050226204	10-13-2005	MUTABA, SYED AON; et al.	INAMOTO, MASAYUKI; et al.	
239	US-20050246548	11-03-2005			
240	US-20050254477	11-17-2005			
241	US-20050254556	11-17-2005			
242	US-20050259723	11-24-2005			
243	US-20050265220	12-01-2005			
244	US-20050271012	12-08-2005			
245	US-20050276347	12-15-2005			
246	US-20050281029	12-22-2005			

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U.S. PATENT DOCUMENTS			
Examiner Initials*	Document Number Cite Number-Kind Code ^{2499 known}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
			KHANDEKAR, AAMOD; et al.
247	US-20050281290	12-22-2005	JIN, YONGSEOK; et al.
248	US-20050286408	12-29-2005	CUDAK, MARK C.; et al.
249	US-20050289256	12-29-2005	LIN, CHIH-LUNG; et al.
250	US-20050053151	03-10-2005	KIM, EUNG-SUN; et al.
251	US-20050128983	06-16-2005	AGRAWAL, Avneesh; et al.
252	US-20060018347	01-26-2006	SAMPATH, Hemanth; et al.
253	US-20060018397	01-26-2006	SUN HSU, Windsor Wei; et al.
254	US-20060026344	02-02-2006	OZLUTURK, Fatihi; et al.
255	US-20060034164	02-16-2006	KIM, Myeong-cheol; et al.
256	US-20060040655	02-23-2006	CHOI, Seung-hoon; et al.
257	US-20060045003	03-02-2006	WALLACE, Mark S.; et al.
258	US-20060050770	03-09-2006	HOTTINEN, Ari; et al.
259	US-20060056340	03-16-2006	WALTON, Jay Rodney; et al.
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261	US-20060083159	04-20-2006	THOMAS, Timothy A.; et al.
262	US-20060093065	05-04-2006	KUZMINSKY, Alexander; et al.
263	US-20060109814	05-25-2006	RO, Jung-min; et al.
264	US-20060126491	06-15-2006	SAMPATH, Hemanth; et al.
265	US-20060133521	06-22-2006	

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266	US-20060140289	06-29-2006	MANDYAM; Giridhar D.; et al.	LIN; Xintian E.; et al.	
267	US-20060155534	07-13-2006	KIM; Ho-jin; et al.	GORE; Dhananjay Ashok; et al.	
268	US-20060209764	09-21-2006	SHIDA; Masaaki; et al.	GORRE; Dhananjay Ashok; et al.	
269	US-20060233131	10-19-2006	PRAKASH; Rajat; et al.	ONGGOSANUSI; Eko N.; et al.	
270	US-20060270427	11-30-2006	SUTIVONG; Arak; et al.	MOYLAN; Peter Francis; et al.	
271	US-20060286974	12-21-2006	TONG; Wen; et al.	BACHL; Rainer Walter; et al.	
272	US-20060286982	12-21-2006	KHANDEKAR; Aamod; et al.	BAUM; Kevin L.; et al.	
273	US-20060286995	12-21-2006	WANG; Jibing; et al.	GOROKHOV; Alexei; et al.	
274	US-20060291371	12-28-2006	KHANDEKAR; Aamod; et al.	TONG; Wen; et al.	
275	US-20040032443	02-19-2004	WANG; Jibing; et al.	KHANDEKAR; Aamod; et al.	
276	US-20070025345	02-01-2007	KHANDEKAR; Aamod; et al.	WANG; Jibing; et al.	
277	US-20070041311	02-22-2007	WANG; Jibing; et al.	KHANDEKAR; Aamod; et al.	
278	US-20070049218	03-01-2007	KHANDEKAR; Aamod; et al.	WANG; Jibing; et al.	
279	US-20070053282	03-08-2007	WANG; Jibing; et al.	KHANDEKAR; Aamod; et al.	
280	US-20070097853	05-03-2007	KHANDEKAR; Aamod; et al.	WANG; Jibing; et al.	
281	US-20070097889	05-03-2007	KHANDEKAR; Aamod; et al.	WANG; Jibing; et al.	
282	US-20070097908	05-03-2007	KHANDEKAR; Aamod; et al.	WANG; Jibing; et al.	
283	US-20070097910	05-03-2007	KHANDEKAR; Aamod; et al.	WANG; Jibing; et al.	

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(Use as many sheets as necessary)

Sheet	16	of	23
U.S. PATENT DOCUMENTS			
Examiner Initials*	Document Number Cite No. Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	284 US-20070097922	05-03-2007	PAREKH, Niteshkumar J.; et al.
	285 US-20070097981	05-03-2007	PAPASAKELLAROU, Aris; et al.
	286 US-20070098050	05-03-2007	KHANDEKAR, Aamod; et al.
	287 US-20070098120	05-03-2007	WANG, Michael Mao; et al.
	288 US-20070099666	05-03-2007	ASTELY, David; et al.
	289 US-20070160115	07-12-2007	PALANKI, Ravi; et al.
	290 US-20070165738	07-19-2007	BARRIAC, Gwendolyn D.; et al.
	291 US-20070177681	08-02-2007	CHOI, In-kyeong; et al.
	292 US-20070183303	08-09-2007	PI, Zhouyue; et al.
	293 US-20070211616	09-13-2007	KHANDEKAR, Aamod; et al.
	294 US-20070230324	10-04-2007	LI, Xiaodong; et al.
	295 US-20070263743	11-15-2007	LEE, Yu-ro; et al.
	296 US-20080039129	02-14-2008	LI, Xiaodong; et al.
	297 US-20080095223	04-24-2008	TONG, Wen; et al.
	298 US-20080253279	10-16-2008	MA, Jianglei; et al.
	299 US-2009003466	01-01-2009	TAHERZADEHBOROUJEN, Mahmoud; et al.
	300 US-20090197646	08-06-2009	TAMURA, Motoshi; et al.

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 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document by the two-letter code (MPEP Standard ST-3).
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	17	of	23	Attorney Docket No.: 060542	
FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Figures Appear
301	CL-19931400	12-23-1994	MM-DD-YYYY	MOBILE TELECOMMUNICATION TECHNOLOGIES CORP TELEFONAKTIEBOLAGET LM ERICSSON	<input type="checkbox"/>
302	CL-1997846	01-23-1998		HUBER ALBERT M [DE] et al.	<input type="checkbox"/>
303	DE-19800653A1	07-15-1999		SIEMENS AG [DE] et al.	<input type="checkbox"/>
304	DE-19800953C1	07-29-1999		SIEMENS AG [DE] et al.	<input type="checkbox"/>
305	DE-19957288C1	05-10-2001		SONY CORP [JP] et al.	<input type="checkbox"/>
306	EP-0844796A2	05-27-1998		LUCENT TECHNOLOGIES INC [US] et al.	<input type="checkbox"/>
307	EP-1001570A2	05-17-2000		CANON KK [JP] et al.	<input type="checkbox"/>
308	EP-1061687A1	12-20-2000		SONY INT EUROPE GMBH [DE] et al.	<input type="checkbox"/>
309	EP-1204217A1	05-08-2002		NTT DOCOMO INC [JP] et al.	<input type="checkbox"/>
310	EP-1286490A2	02-26-2003		SIEMENS AG [DE] et al.	<input type="checkbox"/>
311	EP-1376920A1	01-02-2004		LUCENT TECHNOLOGIES INC [US] et al.	<input type="checkbox"/>
312	EP-1478204A2	11-17-2004		MATSUSHITA ELECTRIC IND CO LTD [JP] et al.	<input type="checkbox"/>
313	EP-1507421A1	02-16-2005		SONY INT EUROPE GMBH [DE] et al.	<input type="checkbox"/>
314	EP-1533950A1	05-25-2005		NOKIA CORP [FI] et al.	<input type="checkbox"/>
315	EP-1538863A1	06-08-2005		KOKUSAIDENSHIN DENWA CO LTD [JP] et al.	<input type="checkbox"/>
316	GB-2279540A	01-04-1995		MOTOROLA LTD [GB] et al.	<input type="checkbox"/>
317	GB-2348776A	10-11-2000			<input type="checkbox"/>

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Sheet 18 of 23

Application Number	09/931469 <i>Complete if Known</i>
Filing Date	8/16/2001
First Named Inventor	LAROI, Rajiv, et al.
Art Unit	2462
Examiner Name	JUNTIMA, NITTAYA

Attorney Docket No: 060542

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code ³ , Number ⁴ , Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Figures Appear
318	GB-2412541A		09-28-2005	SAMSUNG ELECTRONICS CO LTD [KRI] et al.	<input type="checkbox"/>
319	JP-2005020530A		01-20-2005	TOSHIBA CORP et al.	<input type="checkbox"/>
320	KR-100291476B1		03-13-2001	SAMSUNG ELECTRONICS CO LTD et al.	<input type="checkbox"/>
321	KR-20040103441A		12-08-2004	MICROSOFT CORP et al.	<input type="checkbox"/>
322	KR-20050063826A		06-28-2005	LG ELECTRONICS INC [KRI] et al.	<input type="checkbox"/>
323	RU-2192094C1		10-27-2002	GARMONOV ALEKSANDR VASILEVICH et al.	<input type="checkbox"/>
324	RU-2207723C1		06-27-2003	VOENNYJ UNI SVJAZI et al.	<input type="checkbox"/>
325	TV-200401572		01-16-2004	RAYTHEON COMPANY	<input type="checkbox"/>
326	TV-248266		01-21-2006	VIA TELECOM CO LTD	<input type="checkbox"/>
327	TV-508960B		11-01-2002	FLARION TECHNOLOGIES INC [US] et al.	<input type="checkbox"/>
328	WO-0139523A2		05-31-2001	SIEMENS AG [DE] et al.	<input type="checkbox"/>
329	WO-0148969A2		07-05-2001	ATHEROS COMM INC [US] et al.	<input type="checkbox"/>
330	WO-0158054A1		08-09-2001	SAMSUNG ELECTRONICS CO LTD [KRI] et al.	<input type="checkbox"/>
331	WO-0160106A1		08-16-2001	QUALCOMM INC [US] et al.	<input type="checkbox"/>
332	WO-0182544A2		11-01-2001	ATHEROS COMM INC [US] et al.	<input type="checkbox"/>
333	WO-0189112A1		11-22-2001	NOKIA NETWORKS OY [FI] et al.	<input type="checkbox"/>
334	WO-02082743A2		10-17-2002	COWAVE NETWORKS INC [US] et al.	<input type="checkbox"/>

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Attorney Docket No: 060542

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Foreign Patent Document Country Code ³ , Number ⁴ , Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Figures Appeared
335	WO-0219746A1		03-07-2002	MOTOROLA INC [US] et al. BROADSTORM TELECOMMUNICATIONS [US] et al.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
336	WO-0249306A2		06-20-2002	FLARION TECHNOLOGIES INC [US] et al.	<input type="checkbox"/>
337	WO-03001696A2		01-03-2003	US GOVERNMENT [US] et al.	<input type="checkbox"/>
338	WO-03001981A2		01-09-2003	SEPURA LTD [GB] et al.	<input type="checkbox"/>
339	WO-03003617A2		01-09-2003	QUALCOMM INC [US] et al.	<input type="checkbox"/>
340	WO-2004038988A2		05-06-2004	NOKIA CORP [FI] et al.	<input type="checkbox"/>
341	WO-2004040690A2		05-13-2004	QUALCOMM INC [US] et al.	<input type="checkbox"/>
342	WO-2004040827A2		05-13-2004	DOCOMO COMM LAB EUROPE GMBH [DE] et al.	<input type="checkbox"/>
343	WO-2004086706A1		10-07-2004	TELLIA AB [SE] et al.	<input type="checkbox"/>
344	WO-2004086711A1		10-07-2004	FLARION TECHNOLOGIES INC [US] et al.	<input type="checkbox"/>
345	WO-2004095851A2		11-04-2004	MOTOROLA INC [US] et al.	<input type="checkbox"/>
346	WO-2004098072A2		11-11-2004	TELECOM ITALIA SPA [IT] et al.	<input type="checkbox"/>
347	WO-2005015795A1		02-17-2005	QUALCOMM INC [US] et al.	<input type="checkbox"/>
348	WO-2005015941A2		02-17-2005	QUALCOMM INC [US] et al.	<input type="checkbox"/>
349	WO-2005055527A1		06-16-2005	LG ELECTRONICS INC [KR] et al.	<input type="checkbox"/>
350	WO-2005065062A2		07-21-2005	DELTEL INC PBNEXT [US] et al.	<input type="checkbox"/>
351	WO-2005069538A1		07-28-2005		<input type="checkbox"/>

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Attorney Docket No.: 060542

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Examiner Initials	Cite No.	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Figures Appeared
352	WO-2005096538A1	10-13-2005		QUALCOMM INC [US] et al.	<input type="checkbox"/>
353	WO-2006026344A1	03-09-2006		QUALCOMM INC [US] et al.	<input type="checkbox"/>
354	WO-2006096784A1	09-14-2006		QUALCOMM INC [US] et al.	<input type="checkbox"/>
355	WO-2006099349A1	09-21-2006		QUALCOMM INC [US] et al.	<input type="checkbox"/>
356	WO-2006134032A1	12-21-2006		SIEMENS AG [DE] et al.	<input type="checkbox"/>
357	WO-2006138196A1	12-28-2006		QUALCOMM FLARION TECH [US] et al.	<input type="checkbox"/>
358	WO-2006138573A2	12-28-2006		QUALCOMM INC [US] et al.	<input type="checkbox"/>
359	WO-2007024934A2	03-01-2007		QUALCOMM INC [US] et al.	<input type="checkbox"/>
360	WO-2007051159A2	05-03-2007		QUALCOMM INC [US] et al.	<input type="checkbox"/>
361	WO-9521494A1	08-10-1995		QUALCOMM INC [US] et al.	<input type="checkbox"/>
362	WO-9613920A1	05-09-1996		IBM [US] et al.	<input type="checkbox"/>
363	WO-9746033A2	12-04-1997		PHILIPS ELECTRONICS NV [NL] et al.	<input type="checkbox"/>
364	WO-9814026A1	04-02-1998		QUALCOMM INC [US] et al.	<input type="checkbox"/>
365	WO-9944313A1	09-02-1999		SIEMENS AG [DE] et al.	<input type="checkbox"/>
366	WO-9944383A1	09-02-1999		SIEMENS AG [DE] et al.	<input type="checkbox"/>
367	WO-9959265A1	11-18-1999		SAMSUNG ELECTRONICS CO LTD [KR] et al.	<input type="checkbox"/>

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	21	of	23	Attorney Docket No: 060542
				<i>Complete if known</i>
Application Number	09/931469			
Filing Date	8/16/2001			
First Named Inventor	LAROIA, Rajiv, et al.			
Art Unit	2462			
Examiner Name	JUNTIMA, NITTAYA			

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	12
368	3GPP TS 33.220 V.1.1.0_XX_XX	"3rd GENERATION PARTNERSHIP PROJECTS: TECHNICAL SPECIFICATION GROUP SERVICES AND SYSTEM ASPECTS; GENERIC AUTHENTICATION ARCHITECTURE (RELEASE 6)" 9 FEBRUARY 2004, pgs. 1-17, figure 4, XP002996023.	
369	DAS, ARNAB, et al	"Adaptive asynchronous incremental redundancy (A-IR) with fixed transmission time intervals TTI for HSDPA", IEEE, pages 10-83-1087	
370	Digital cellular telecommunications system (Phase 2+); Mobile radio interface layer 3 specification (GSM 04.08 version 7.7.1 Release 1998); ETSI EN 300 940 V7.7.1 (2000-10), pp. 1-2, 9-1-93.		
371	FAVRE et al.	"Self-Adaptive Transmission Procedure" IBM Technical Disclosure Bulletin, IBM Corporation, September 1976, vol. 19, no. 4, pp. 1283-1284, New York, New York.	
372	FUCHS, et al.	"A Novel Tree-Based Scheduling Algorithm for the Downlink of Multi-User MIMO Systems with ZF Beamforming," IEEE International Conference on Acoustics, Speech, and Signal Processing, 2005, Proceedings, Philadelphia, PA, pp. 1121-1124.	
373	GROE, et al.	"CDMA Mobile Radio Design," September 26, 2001, Artech House, Norwood, MA 02062, pp. 257-259.	
374	International Search Report - PCT/US01/028315	International Search Report - PCT/US01/028315, International Search Authority - European Patent Office, 06-21-02 (060542).	
375	AUTHORITY--EUROPEAN PATENT OFFICE 06/12/06	INTERNATIONAL SEARCH REPORT PCT/US06/003947--INTERNATIONAL SEARCH	
376	JOHN B. GROE, LAWRENCE E. LARSON	"CDMA Mobile Radio Design" 26 September 2001 (2001-09-26), Artech House, Norwood, MA 02062 580530, XP002397967, pages 157-159	
377	LAROIA, R. ET AL.	"An integrated approach based on cross-layer optimization - Designing a mobile broadband wireless access network" IEEE Signal Processing Magazine, IEEE Service Center, Piscataway, NJ, US, vol. 21, no. 5, September 2004 (2004-09), pages 20-28, XP01118149	
378	LAU, et al.	"On the Design of MIMO Block-Fading Channels with Feedback-Link Capacity Constraint," IEEE Transactions on Communications, IEEE Service Center, Piscataway, NJ, US, v. 52, no. 1, January 2004 (2004-01), pp. 62-70, XP001189908	
379	LETTIERI, et al.	"Adaptive frame length control for improving wireless link throughput, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments and/or remarks you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	

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Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title issue number(s), publisher, city and/or country where published.	Complete if known
		Computer and Communications Societies, March 29-April 2, 1998, pp. 564-571, vol. 2.	
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385		TIA-1121-001 "Physical Layer for Ultra Mobile Broadband (UMB) Air Interface Specification," 3GPP2 C.S0084-001-0, Version 2.0 (August 2007)	
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